

CHEMICAL ENGINEERING LOUISIANA TECH UNIVERSITY

Name _____

Date _____

Student ID _____

Email _____

FRESHMAN YEAR											
Fall Quarter		Cr	Gr	Winter Quarter		Cr	Gr	Spring Quarter		Cr	Gr
ENGR 120*	Engr Problem Solving I	2		ENGR 121*	Engr Problem Solving II	2		ENGR 122*	Engr Problem Solving III	2	
MATH 240*	Math for Engr & Science	3		MATH 241*	Calculus I	3		MATH 242*	Calculus II	3	
CHEM 100*	General Chemistry	2		CHEM 101*	General Chemistry	2		CHEM 102*	General Chemistry	2	
ENGL 101	Freshmen Composition I	3		CHEM 103*	General Chemistry Lab	1		CHEM 104*	General Chemistry Lab	1	
UNIV 100	University Seminar	1		ENGL 102	Freshmen Composition II	3		BISC 130	Biological Principles	3	
		11				11				11	

SOPHOMORE YEAR											
Fall Quarter		Cr	Gr	Winter Quarter		Cr	Gr	Spring Quarter		Cr	Gr
MATH 243*	Calculus III	3		CMEN 255*	Lab Measurements/Reports	1		CMEN 213*	Unit Operations-Design I	3	
CMEN 202‡*	Chemical Engr Calc	3		ENGR 222*	Thermodynamics	3		ENGR 220	Statics & Mechs of Materials	3	
CHEM 250	Organic Chemistry	2		MATH 244*	Calculus IV	3		MATH 245*	Differential Equations	3	
PHYS 201*	Physics For Engr & Science I	3		CHEM 251	Organic Chemistry	2		CHEM 252	Organic Chemistry	2	
		11		CHEM 253	Organic Chemistry Lab	1				11	

JUNIOR YEAR											
Fall Quarter		Cr	Gr	Winter Quarter		Cr	Gr	Spring Quarter		Cr	Gr
CMEN 313*	Unit Operations-Design II	3		CMEN 413*	Unit Operations-Design III	3		CMEN 304*	Transport Phenomena	3	
CHEM 311*	Physical Chemistry	3		CMEN 332*	Chem Engr Thermodyn II	3		PHYS 202	Physics for Engr and Sci II	3	
CHEM 313	Physical Chemistry Lab	1		ENGR 221	Electrical Engr & Circuits I	3		Social Science***		3	
BISC 260 or	Microbiology	4		ENGL 303	Technical Writing	3		ENGL 363 or	Scientific/Tech Presentations	3	
CHEM 351/353	Biochemistry I & Lab	11				12		SPCH 377	Professional Speaking	12	

SENIOR YEAR											
Fall Quarter		Cr	Gr	Winter Quarter		Cr	Gr	Spring Quarter		Cr	Gr
CMEN 402*	Chemical Reaction Engr	3		CMEN 407*	Instrum/Auto Process Ctrl	3		CMEN 434*	Chemical Plant Design III	2	
CMEN 430*	Chemical Plant Design I	2		CMEN 432*	Chemical Plant Design II	2		Directed Elective**		3	
CMEN 451*	Senior Chem Engr Lab	1		HIST _____***		3		Social Science***		3	
ART†	Fine Arts Appreciation	3		Directed Elective**		3		ENGL 210, 211, or 212	Literature	3	
Social Science***		3				11				11	

Neither *MATH 240* nor *CHEM 100* counts toward the Chemical Engineering degree. Placement exams are available.

* Grade of C or higher required before taking a course for which this one is a prerequisite.

** Directed electives are chosen in consultation with advisor and approved by the Program Chair.

*** HIST 102, GEOG 205, or GEOG 210 counts as the International Education Requirement (IER).

† ART 290, SPTH 290, MUGN 290, or KINE 280 counts as the Fine Arts Requirement.

‡ CMEN 202 requires ENGR 122 as a minimum co-requisite. All other CMEN courses require CMEN 202 as a prerequisite.

Courses in **bold** are typically offered only once per year.